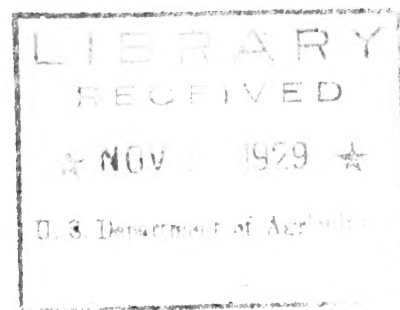


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E-24 (Revised to Nov. 1, 1929.)

PUBLICATIONS OF THE BUREAU OF ENTOMOLOGY, U. S. DEPARTMENT OF AGRICULTURE,
AVAILABLE FOR FREE DISTRIBUTION

FARMERS' BULLETINS

- 447F. Bees.
- 450F. Some facts about Malaria.
- 627F. The house centipede.
- 636F. The chalcis fly in alfalfa seed.
- 650F. The San Jose scale and its control.
- 658F. Cockroaches.
- 662F. The apple-tree tent caterpillar.
- 668F. The squash-vine borer.
- 675F. The roundheaded apple-tree borer.
- 695F. Outdoor wintering of bees.
- 701F. The bagworm, an injurious shade-tree insect.
- 705F. The catalpa sphinx.
- 708F. The leopard moth: A dangerous imported enemy of shade trees.
- 722F. The leaf blister mite of pear and apple.
- 723F. The oyster-shell scale and the scurfy scale.
- 725F. Wireworms destructive to cereal and forage crops.
- 731F. The true army worm and its control.
- 734F. Flytraps and their operation.
- 739F. Cutworms and their control in corn and other cereal crops.
- 740F. House ants: Kinds and methods of control.
- 747F. Grasshoppers and their control with relation to cereal and forage crops.
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- 754F. The bedbug.
- 762F. The false chinch bug and measures for controlling it.
- 763F. Orchard barkbeetles and pinhole borers and how to control them.
- 789F. Mushroom pests and how to control them.
- 799F. Carbon disulphid as an insecticide.
- 801F. Mites and lice on poultry.
- 831F. The red spider on cotton and how to control it.
- 835F. How to detect outbreaks of insects and save the grain crops.
- 846F. The tobacco beetle and how to prevent damage by it.
- 857F. Screw worms and other maggots affecting animals.
- 860F. Cranberry insect problems and suggestions for solving them.
- 875F. The rough-headed corn stalk-beetle in the Southern States and its control.
- 880F. Fumigation of ornamental greenhouse plants with hydrocyanic-acid gas.
- 890F. How insects affect the cotton plant and means of combating them.
- 891F. The corn root-aphis and methods of controlling it.
- 897F. Fleas and their control.
- 902F. The silverfish: An injurious household insect.
- 908F. Information for fruit growers about insecticides, spraying apparatus, and important insect pests.

- 933F. Spraying for the control of insects and mites attacking citrus trees in Florida.
- 940F. Common white grubs.
- 944F. Controlling the garden webworm in alfalfa fields.
- 950F. The southern corn rootworm and farm practices to control it.
- 959F. The spotted garden slug.
- 961F. Transferring bees to modern hives.
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- 975F. The control of European foulbrood.
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- 1006F. The jointworm and its control.
- 1007F. Control of the onion thrips.
- 1012F. Preparation of bees for outdoor wintering.
- 1014F. Wintering bees in cellars.
- 1025F. The larger corn stalk-borer.
- 1029F. Conserving corn from weevils in the Gulf Coast States.
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- 1061F. The harlequin cabbage bug and its control.
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- 1216F. Beekeeping in the buckwheat region.
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- 1601F. Collection and preservation of insects for use in the study of agriculture.
- F. Methods of controlling the gipsy moth and the brown-tail moth. (In press.

LEAFLETS

- 2L. Cutworms in the garden.
- 12L. The striped blister beetle on soybeans.
- 31L. Termites in buildings.
- 37L. Poisoning the cotton boll weevil.
- 53L. Cotton-louse control.

ENTOMOLOGY LEAFLET

- E-127. Chinch bug.

POSTERS

(Those marked with an asterisk are obtainable from the Bureau of Entomology only;)

- E-149. Destroy grasshoppers with poison-bran bait.
- E-175. Spray potato fields.
- E-177. The Hessian fly.
- E-178. Wheat jointworm.
- E-179. The alfalfa seed chalcids-fly.

YEARBOOK SEPARATES

(Those marked with an asterisk are obtainable from the Bureau of Entomology only;)

- *655Y. Edible snails.
- *786Y. How weevils get into beans.

DEPARTMENT CIRCULARS

(The publications in this series are semipopular in character. Those marked by an asterisk are obtainable from the Bureau of Entomology only.)

- 1720. The range crane-flies in California.
- *2240. Nicotine dust for control of the striped cucumber beetle.
- 2630. Preliminary report on the control of the San Jose Scale with lubricating-oil emulsion.
- *2820. The Australian tomato weevil introduced in the South. A preliminary account.
- *2840. The sterilization of American foulbrood combs.
- 2870. The occurrence of diseases of adult bees, II.
- 2940. The rat mite attacking man.
- *3030. The hot-water treatment of sugar cane for insect pests: A precaution.
- 3610. The cotton hopper or so-called cotton flea.
- 3630. The Japanese beetle.
- 3670. Airplane dusting in the control of malaria mosquitoes.
- 3800. Calcium cyanide as a fumigant for ornamental greenhouse plants.
- 3950. The oriental peach moth.

CIRCULARS

(This series supersedes the Department Circular series.)

- 7. An apparatus for the rapid vaporization of carbon disulphide.
- 14. Status of imported parasites of the European corn borer.
- 18. Experimental dissemination of the tabanid egg parasite *Phanurus emersoni* Girault and biological notes on the species.
- 24. United States grades, color standards, and packing requirements for honey.
- 27. Some mushroom diseases and their carriers.
- 45. The application of sodium fluosilicate by airplane in an attempt to control the sugar-cane moth borer.
- 51. The chinch bug in relation to St. Augustine grass.
- 71. Heat and time ^{of} exposure necessary to kill larvae of the European corn borer in ear corn.
- 75. The true cricket -- A serious cotton pest in California.

MISCELLANEOUS CIRCULARS

- 46M. A bibliography of the European corn borer (*Pyrausta nubilalis* Hbn.)
- 70M. Timely information about the European corn borer.
- 102M. Pertinent information regarding the 1927 spring clean-up of areas quarantined on account of the European corn borer.
- 104M. Spread and infestation by the European corn borer during 1926.

MISCELLANEOUS PUBLICATION

- 35. Cotton ~~or~~ weevils.

DEPARTMENT BULLETINS

(Most of the publications in this series are professional papers intended for the use of entomologists or other technical workers. Those marked by an asterisk are obtainable from the Bureau of Entomology only.)

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- *100D. Walnut aphides in California.
- *111D. The Sequoia pitch moth: A menace to pine in western Montana.
- *113D. The lesser bud-moth.
- 124D. The alfalfa caterpillar.
- *131D. Repellents for protecting animals from the attacks of flies.
- *170D. The European pine-shoot moth.
- *173D. The life history and habits of the pear thrips in California.
- *184D. The huisache girdler.
- *264D. The violet rove beetle.
- *295D. The Zimmerman pine moth.
- *382D. Cotton-boll weevil control in the Mississippi delta, with special reference to square picking and weevil picking.
- *443D. The New Mexico range caterpillar and its control.
- *491D. The melon fly in Hawaii.
- *550D. Control of the grape-berry moth in the Erie Chautauqua grape belt.

- *564D. Collection of weevils and infested squares as a means of control of the cotton-boll weevil in the Mississippi delta.
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- 809D. American foulbrood.
- *838D. Cypress bark scale.
- 872D. Insect control in flour mills.
- *967D. Results of work on blister beetles in Kansas.
- 1016D. Bionomics of the chinch bug.
- *1032D. The blackhead fireworm of cranberry on the Pacific Coast.
- 1076D. Biology of the lotus borer (*Pyrausta penitalis* Grote).
- 1107D. The lead-cable borer or "short-circuit beetle" in California.
- 1115D. Chemical changes in calcium arsenate during storage.
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- 1160D. Studies on contact insecticides.
- 1204D. Dusting cotton from airplanes.
- 1217D. Mixing emulsified mineral lubricating oils with deep-well waters and lime-sulphur solutions.
- *1222D. Growth and feeding of honeybee larvae.
- *1223D. The European elm scale in the West.
- 1231D. Tests of methods of protecting woods against termites or white ants.
- *1235D. Life history of the codling moth in the Yakima Valley of Washington.
- *1238D. The canker worms.
- *1243D. Studies of the Mexican bean beetle in the Southeast.
- *1267D. The rough-headed corn stalk-beetle.
- 1307D. Absorption and retention of hydrocyanic acid by fumigated food products. Part II.
- *1324D. The oviposition response of insects.
- *1339D. The effect of weather upon the change in weight of a colony of bees during the honey flow.
- *1349D. The brood-rearing cycle of the honeybee.
- 1357D. The strawberry rootworm: A new pest on greenhouse roses.
- 1363D. Host relations of *Compsilura concinnata* Meigen, an important tachinid parasite of the gipsy moth and the brown-tail moth.
- 1369D. The cattle grubs or ox warbles, their biologies and suggestions for control.
- *1371D. Effectiveness against the San Jose Scale of the dry substitutes for liquor lime-sulphur.
- 1374D. Studies of the pink bollworm in Mexico.
- 1397D. The pink bollworm, with special reference to steps taken by the Department of Agriculture to prevent its establishment in the United States.
- 1426D. The clover root-borer.
- 1428D. The cadelle.
- 1429D. The parasites of *Popillia japonica* in Japan and Korea, and their introduction in the United States.
- 1453D. The cheese skipper as a pest in cured meats.
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- 1490D. Defects in timber caused by insects.

TECHNICAL BULLETINS

(This series supersedes the Department Bulletin series.)

- 3T. The relation of highway slash to infestations by the western pine beetle in standing timber.
- 4T. *Lygus elisus*: A pest of the cotton regions in Arizona and California.
- 15T. The citrus insects of Japan.
- 19T. Parasites of the pink bollworm in Hawaii.
- 20T. A study of *Phylloxera* infestation in California as related to types of soils.
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- 53T. Scouting, quarantine, and control for the European corn borer, 1907-1926
- 59T. The European corn borer and its controlling factors in Europe.
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- 66T. The apple maggot.
- 77T. The host plants of the European corn borer in New England.
- 80T. Tests of blowfly baits and repellents during 1926.
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- 130T. The chestnut curculios.
- 135T. The corn borer in central Europe: A review of investigations from 1924 to 1927. (In press.)
- 137T. The Pandora moth, an enemy of western pine forests. (In press.)
- 138T. Studies on the fall army worm in the Gulf Coast district of Texas. (In press)
- 149T. Fungous diseases of the honeybee. (In press.)
- 152T. The life history of the oriental peach moth in Georgia. (In press.)
- 157T. The western grass-stem sawfly, a pest of small grains. (In press.)
- 161T. Life history, habits, and control of the Mormon cricket. (In press.)

REPORTS, OFFICE OF THE SECRETARY

(This series has been discontinued. The publications listed below, which are of a technical character, are obtainable from the Bureau of Entomology only.)

- *99. Classification of the Cryphalinae, with descriptions of new genera and species.
- *101. The woolly apple aphid.
- *102. Descriptions of some weevils reared from cotton in Peru.
- *107. Larvae of the Prioninae.

CIRCULARS, OFFICE OF THE SECRETARY

(This series has been discontinued. The two numbers listed below are obtainable from the Bureau of Entomology only.)

- *51. The Hessian fly situation in 1915.
- *55. The spring grain-aphid or "greenbug" in the Southwest and possibilities of an outbreak in 1916.

The three series listed below were discontinued in 1914. Most of them (those marked by an asterisk) are obtainable from the Bureau of Entomology only.

ENTOMOLOGY CIRCULARS

- *101. The apple maggot or "railroad worm."
- *123. Methods of controlling tobacco insects.
- *131. How to control the pear thrips.
- 148. Two destructive Texas ants.
- *Unnumbered. The pink bollworm. 1914.

ENTOMOLOGY BULLETINS

- 71. The periodical cicada.
- *85. Part II. The slender seed-corn ground-beetle.
- *85. Part III. The clover-root curculio.
- *95. Part II. The maize billbug.

ENTOMOLOGY TECHNICAL SERIES

- *19. Contents and index.
- *23. Part I. Some new California and Georgia Thysanoptera.
- *24. The life history of the alder blight aphid.
- *25. Part II. The yellow clover aphid.
- *27. Part II. Classification of the Aleyrodidae.
- *27. Contents and index.